

[Available Issues](#) | [Japanese](#)>> [Publisher Site](#)Author:  [ADVANCED](#) | Volume  Page   
Keyword:   |   [TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

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## Partition of Soybean Saponins between Butanol and Water

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The effects of the concentration of the extract and the pH of the water phase on the partition between butanol and water of a crude extract from soybean seed hypocotyls were estimated. A seventy percent ethanol extract was dispersed in butanol-water (1:1) and each layer was subjected to thin layer chromatography and high performance liquid chromatography. A low concentration of the extract showed a high purity of saponins and a low partition ratio of soyasaponin I. At about pH 3.3, soyasaponin I was contained only in the butanol layer, and the partition ratio of soyasaponin I decreased with an increase in pH.

**Keywords:** [soybean](#), [saponin](#), [soyasaponin I](#), [butanol-water partition](#)

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